

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2522,2523,2533,2534,2544,2545/ Lab / **154** / 2021 - 22 Dated:-13 /07/2021. Laboratory : Bicholim - Goa.  
,2556,2557,2565,2566 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Construction of Pilgao-Narve Distributory of LBMC of TIP from ch.4.825km to ch.8670m at village Pilgao and Narve in Bicholim Taluka.(Modified Balance Work).**

Ref. to Requisition No.: SDII/WDVIII/WRD/F.160/2020-21/21 Dated :- 26/ 06/ 2021.

Qty. Received. : 10 Sets of cube Date of Receipt:- 29/ 06 / 2021. Tested on:-06 to 10/07/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5: 3 O.S No. :6769,6770,6781,6782,6792,6793,6804,6805,6813,6814/SS Lab. Sample No.: 2009 to 2018 Tested By: Mrs.Shirodkar. J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix <b>1:1.5: 3</b> , cast on 08/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	280.89	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.14	Qty represents -28.00 Cum for Two sets of cubes.
			265.04	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>278.63</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1:1.5: 3</b> , cast on 08/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	262.77	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	3.15	----- do -----
			285.42	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>273.34</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1:1.5: 3</b> , cast on 09/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.57	Qty represents -28.00 Cum for Two sets of cubes.
			278.63	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.12</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1:1.5: 3</b> , cast on 09/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.71	----- do -----
			308.08	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>280.14</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1:1.5: 3</b> , cast on 10/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.57	Qty represents -28.00 Cum for Two sets of cubes.
			283.16	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.12</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

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<b>SR. NO</b>	<b>DISCRIPTION OF SAMPLE</b>	<b>TESTED FOR</b>	<b>RESULTS</b>		<b>Max./Min.Value permissable</b>	<b>% above or below</b>	<b>REMARK</b>
6	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 10/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	6.57	Qty represents -28.00 Cum for Two sets of cubes.
			292.22	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>282.40</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 11/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	292.22	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.43	Qty represents -26.00 Cum for Two sets of cubes.
			271.83	Kg/Cm <sup>2</sup>			
			274.10	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>279.38</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 11/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	3.15	----- do -----
			285.42	Kg/Cm <sup>2</sup>			
			262.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>273.34</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 12/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	278.63	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	6.85	Qty represents -22.00 Cum for Two sets of cubes.
			299.01	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>283.16</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 12/06/2021. For Chambers casting.	28 <sup>th</sup> day compressive strenath	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.57	----- do -----
			294.48	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.12</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD II , WDVIII, WRD-Tivim-Bardez - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer , WD VIII ,WRD,Karaswada-Bardez- Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer